ITW

TP EBOCKET NO.: UOPM-0188

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Gary D. Reeder et al.

Confirmation No.: 3130

Application No.: 10/827,400

Group Art Unit: 3761

Filing Date: April 19, 2004

Examiner: Bianco, Patricia

or: Membrane Apparatus With Enhanced Mass Transfer, Heat Transfer And

Pumping Capabilities Via Action Mixing

DATE OF DEPOSIT: November 18, 2005

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Michael J. Bonella REGISTRATION NO.: 41,628

MS Amendment MS AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

REPLY TRANSMITTAL LETTER

	A Preliminary Amendment.					
\boxtimes	An Amendment Responsive to the Office Action Dated October 19, 2005.					
	An Amendment Supplemental to the Paper filed .					
	A Substitute Specification (pages 1 -) in clean form.					
	A substitute specification (pages 1 -) with markings.					
	An Abstract is enclosed.					
	replacement sheets of drawings are enclosed comprising figures .					
	Request is hereby made to accept black and white photograph(s) in this case, as they are the only practicable medium for illustrating the claimed invention. One (1) set of black and white photographs comprising figure(s) is submitted herewith.					

DOCKET NO.: UOPM-0188 PATENT Petition is hereby made to accept drawing(s)/photograph(s) in this case. П Three (3) sets of color drawing(s)/photograph(s) and black and white photocopy that accurately depicts to the extent possible, the subject matter shown in the color drawing(s)/photograph(s), are enclosed, comprising figures П An amendment to the first paragraph in that portion of the Brief Description of the Drawings is also enclosed herewith advising that the patent contains at least one drawing/photograph in color. A Certified Copy of each of the following applications: is enclosed. An Assignee Power of Attorney is enclosed. Information Disclosure Statement. Attached Form 1449. A copy of each reference as listed on the attached Form PTO-1449 is enclosed herewith. A Terminal Disclaimer is attached. Appendices as follows: Other No Additional Fee is Due. \boxtimes Applicant(s) has previously claimed small entity status under 37 CFR § 1.27. Applicant(s) by its/their undersigned attorney, claims small entity status under 37 CFR § 1.27 as This application is no longer entitled to small entity status. It is requested that this be

noted in the files of the U.S. Patent and Trademark Office.

DOCKET NO.: UOPM-0188

PATENT

				SMALI	ENTITY	NOT SMAI	LL ENTITY
	REMAINING AFTER AMENDMENT	HIGHEST PAID FOR	EXTRA	RATE	FEE	RATE	FEE
TOTAL CLAIMS	14	(20 MINIMUM)	0	\$25 EACH	\$	\$50 EACH	\$00.00
INDEP. CLAIMS	4	4	0	\$100 EACH	\$	\$200 EACH	\$00.00
FIRST PRES	ENTATION OF M	ULTIPLE DEP	ENDENT	\$180	\$	\$360	\$
ONE MC	NTH EXTENSIO	N OF TIME		\$60	\$	\$120	\$
☐ TWO MO	ONTH EXTENSIO	N OF TIME	. **	\$225	\$	\$450	\$
☐ THREE MONTH EXTENSION OF TIME				\$510	\$	\$1020	\$
☐ FOUR MONTH EXTENSION OF TIME				\$795	\$	\$1590	\$
☐ FIVE MONTH EXTENSION OF TIME				\$1080	\$	\$2160	\$
LESS ANY EXTENSION FEE ALREADY PAID				minus	(\$)	minus	(\$)
☐ TERMINAL DISCLAIMER				\$65	\$	\$130	\$
☐ OTHER FEE OR SURCHARGE AS FOLLOWS:							
TOTAL FEE DUE					\$		\$00.00
	A check in the a credit any overpa				lease charg	e any deficie	ncy or
Please charge Deposit Account No. 23-3050 in the amount of00. This sheet is attached in duplicate.							

	A check in the amount of $\underline{\$}$.00 is attached. Please charge any deficiency of credit any overpayment to Deposit Account 23-3050.
	Please charge Deposit Account No. 23-3050 in the amount of00. This sheet is attached in duplicate.
\boxtimes	The Commissioner is hereby authorized to charge any deficiency or credit any overpayment of the fees associated with this communication to Deposit Account No. 23-3050.
	Petition is hereby made under 37 CFR § 1.136(a) (fees: 37 CFR § 1.17(a)(1)-(4)) to extend the time for response to the Office Action of to and through comprising an extension of the shortened statutory period of month(s).

 \boxtimes

The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to Deposit Account 23-3050. This sheet is provided in duplicate.

Date: November 18, 2005

Michael J Bonella Registration No. 41,628

Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia PA 19103

Telephone: (215) 568-3100 Facsimile: (215) 568-3439

© 2005 WW

PATENT

DOCKET NO.: UOPM-0188 **Application No.:** 10/827,400

Office Action Dated: October 19, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gary D. Reeder et al.

Confirmation No.: 3130

Application No.: 10/827,400

Group Art Unit: 3761

Filing Date: April 19, 2004

Examiner: Bianco, Patricia

or: Membrane Apparatus With Enhanced Mass Transfer, Heat Transfer and Pumping Capabilities Via Action Mixing

DATE OF DEPOSIT: November 18, 2005

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Michael J. Bonella REGISTRATION NO.: 41,628

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

REPLY PURSUANT TO 37 CFR § 1.111

	In response to the Official Action dated October 19, 2005, reconsideration is							
respectfully requested in view of the amendments and/or remarks as indicated below:								
		Amendments to the Specification begin on page	of this paper.					
	\boxtimes	Amendments to the Claims are reflected in the lebegins on page 2 of this paper.	isting of the claims which					
		Amendments to the Drawings begin on page an attached replacement sheet.	of this paper and include					
	\boxtimes	Remarks begin on page 7 of this paper.						